

1079 Successful treatment with Diamondback 360? as a pre-treatment for stenting for calcified lesion

The case is 86 years old, male. We performed percutaneous coronary intervention for a stenosis lesion on the left anterior descending artery. When looking at the blood vessel with intravascular ultrasound, circumferential calcified lesion near the left anterior descending artery to the diagonal branch and eccentric attenuation plaque of left main trunk were found. The plaque of left main trunk was suspected to be unstable.

Balloon dilation was performed for left anterior descending artery lesion but couldn't, so we considered using of debulking device. Due to the suspected presence of unstable plaque in left main trunk and the presence of circumferential calcified lesion in the target lesion, we decided to use Diamondback 360?. Expansion was successful by Diamondback 360? and a stent was placed. After that, we placed a stent on left main trunk lesion. Reconfirmed by intravascular ultrasound, there reverberation and cracks on the calcified lesion of left anterior descending artery, so we thought the debulking device was successful. We report a case in which Diamondback 360? was successfully treated as a pretreatment for stent placement for calcified lesions.